

Work Order ID 56260

Wednesday, February 17, 2010 11:04:44 AM



Page 1

Item ID: D206-642-312

Accept



Setup Start



Revision ID:

Item Name: Skidtube RH

Stop



Start Date: 2/18/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 3/4/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
N/A	Rev L

100



DOCUMENT CONTROL

DC

Document Control

Memo

0.00

0.00

CHG005 5
CHG006 10/04/09
 PER ECN 09-531

**J for CL 10/03/31 Plo ->*

110



Pick Kit

0.00

Packaging

Memo

0.00

10/14/31 ①

120



QC4- 100% Inspect kits for completeness

0.00

QC

Memo

0.00

5/06/09

④

56 264

W/O: 56260		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/03/31	# 100	missing From Part list to w/o D 2939-2 Saddle B ADD missin D2935-2 B > <u>562608</u> +1 per kit update w/o + Bom. ADD copy of new Bom as Ref. + changes also.	S. Colvalos	C 10/4/18				
		missing from Parts that are on DST 9421 that was never updated correctly ADD missin parts AN4/L5A m# <u>1106552</u> +1 per kit S. Colvalos AN96064116 m <u>100593</u> +1 per kit S. Colvalos		D 10/4/19				

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: D206-642-312 Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 56260

Wednesday, February 17, 2010 11:04:44 AM



Page 2

Item ID: D206-642-312

Accept



Setup Start



Revision ID:

Item Name: Skidtube RH

Stop



Start Date: 2/18/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 3/4/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

130

Operation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

Packaging

0.00

Identify and pack for shipping as per DPP D206-642-312 Location:

 PPP Rev: F

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/04/15 AJ
B10-4-14 J

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, February 17, 2010 11:04:44 AM

Page 1
T2

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DS19421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ MS21042L4	Replacement	Mfg/ Purchased	Bin	Primary No	Last	Route 110	Unit of Each	Qty on 2,292.000	Remaining 12.0000	Qty	Date	Status
Nut												

Warehouse

Location

Main Warehouse

ST	2292
102552	6
104248	6
110507	184
111827	1102
113422	994
15924	0

2/13/2010

AN3-41A
Bolt

Purchased No

120 Each 152.0000 8.0000



Warehouse

Location

Main Warehouse

ST	152
107242	4
108302	4
111163	6
112431	138

2/13/2010

2/13/2010

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, February 17, 2010 11:04:44 AM

Page 2

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
 IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
 IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ AN4-5A	Replacement	Mfg/ Purchased	Bin	Primary No	Last	Route	Unit of Each	Qty on 120.0000	Remaining 1.0000	Qty 	Date	Status
Bolt						120				(-1)		

Remove
worn part
per DSI 9421
S 10/07/31

Warehouse

Location

Main Warehouse

ST	120
100089	6
106605	4
109061	9
110844	7
112933	94

Loc Qty

Loc Code

See

Pls
on BACK

al PAS
#1.

S 10/07/31

m112933

AN4-6A



Bolt

Purchased No

120

Each

1,434.000



Warehouse

Location

Main Warehouse

ST	1434
112314	34
112641	100
112720	100
112829	300
112933	300
113149	600

Loc Qty

Loc Code

m112829

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 3

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Date: 2/18/2010

Required Date: 3/4/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ AN5-10A	Replacement	Mfg/ Purchased	Bin No	Primary Last	Route 120	Unit of Each	Qty on 102.0000	Remaining 4.0000	Qty	Date	Status
Bolt											

Warehouse
Location

Main Warehouse

ST	102
107013	8
110363	2
112314	1
113149	1
113524	90

Loc Qty

Loc Code

m113624

Purchased No 120 Each 131.0000 4.0000

AN5-11A

Bolt

Warehouse
Location

Main Warehouse

ST	131
109061	1
109545	1
110363	6
110985	1
112314	100
113149	22

Loc Qty

Loc Code

m112314

Purchased No 120 Each 0.0000 8.0000

AN960JD10

Washer

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 4

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ AN960JD416	Replacement AN960JD516	Mfg/ Purchased	Bin No	Primary	Last	Route 120	Unit of Each	Qty on 0.0000	Remaining 25.0000	Qty M113706	Date	Status
Washer		Purchased	No			120	Each	0.0000	8.0000	M113706		
Washer	D206-642-441	Manufactured	No			120	Each	6.0000	1.0000	M113706	56264	
Replacement Skidtube												

341

Warehouse
Location

Main Warehouse

FG	6
24739	1
30265	1
30266	1
30940	1
31066	1
35469	1

D206-648-011

Manufactured

No



GHW Modification

120

Each

16.0000 1.0000



(-1) 1/13/10

Pto ->

Warehouse
Location

Main Warehouse

FG	16
39176	2
40442	4
41419	10

W/O: 56260		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/03/31	1	Wrong replacement skid - 441 S/B - 34) permanent change → check 311 Also				U	S 10/03/31
10/03/31	# 100	Wrong replacement D206-646-013 → Remove D206-646-011 + Replace with D206-646-013 B# <u>S2885</u> + Ref. C correct w/o parts list + Bsm. ADD copy of new update from ref.	5/10/04/18	C	10/4/18		S 10/03/31

Part No: D206-642-312 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, February 17, 2010 11:04:44 AM

Page 5

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC

Start Qty: 1.00

IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec

Required Qty: 1.00

IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Component Item ID/

Replacement

Mfg/

Manufactured

Bin

Primary No

Last

Route

120

Unit of

Each

Qty on

257.0000

Remaining

16.0000

Qty

Date

Status



Bushing

Warehouse

Location

OFFSHORE

FG 44

31985 44

Main Warehouse

ST021 111

53741 111

Main Warehouse

ST40 102

51531 102

D2655

Manufactured

No

Route

120

Unit of

Each

Qty on

30.0000

Remaining

1.0000

Ring

Warehouse

Location

Main Warehouse

ST 30

44295 14

45738 16

W/O: 56260		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/03/31	# 100	Perf. Change: w/o was never updated to DST 9421 Remove D2655 + Replace with correct D34B1 B# <u>S1086</u> ^{Subtotal} x1 Printed		10/04/8(1)			S 10/03/31
	# 101	CORRECTLY update w/o to DST 9421 AND Bom. ADD copy of new correct Bom As ref.		10/05/17			S 10/03/31

Part No: D206-642-312 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 6

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ D2712	Replacement	Mfg/ Manufactured	Bin No	Primary Last	Route 120	Unit of Each	Qty on 499.0000	Remaining 10.0000	Qty	Date	Status
Set Screw											

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG 50
29962 50

Main Warehouse

ST 2
47603 2

Main Warehouse

ST022 447
16400 20
43810 11
50415 416

Manufactured No

120

Each

15.0000

1.0000

50415

Saddle RH Out, 206

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 15
40280 1
48189 3
50368 6
53329 5

48189

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 7

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ <small>D2933-2f</small>	Replacement	Mfg/ Manufactured	Bin No	Primary Last	Route 120	Unit of Each	Qty on 22.0000	Remaining 4.0000	Qty	Date	Status
Saddle RH In, 206											

Warehouse

Location

Main Warehouse

ST	22	
45321	1	
50377	2	
52308	8	
52587	6	
53330	5	

Loc Qty

Loc Code

52308

60.0000 2.0000



D2934

Manufactured No

120 Each

Saddle Spacer

Warehouse

Location

OFFSHORE

FG	6	
31929	6	

Main Warehouse

ST55	54	
50376	54	

Loc Qty

Loc Code

50376

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 8

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ (D2935)	Replacement	Mfg/ Manufactured	Bin No	Primary Last	Route 120	Unit of Each	Qty on 75.0000	Remaining 2.0000	Qty	Date	Status
Saddle Spacer											

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG

6

31793

6

Main Warehouse

ST031

69

50211

69

Manufactured No

120

Each

11.0000

1.0000

50211

C 142/210

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

11

41131

1

50245

5

53332

5

50245

Saddle RH Out, 206

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 9

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ D3407-043	Replacement	Mfg/ Manufactured	Bin No	Primary Last	Route 120	Unit of Each	Qty on 65.0000	Remaining 1.0000	Qty 	Date 	Status
Tow Ring											

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	45	
48249	9	
50176	20	
53351	16	

Main Warehouse

ST464	20	
50387	20	

Manufactured No

120 Each

185.0000 1.0000

D3456-1

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	185	
51653	4	
54692	181	

Washer

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 10

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ D3457=1	Replacement	Mfg/ Manufactured	Bin	Primary No	Last	Route	Unit of Each	Qty on 119.0000	Remaining 2.0000	Qty	Date	Status
Washer						120					C 10/3/31 C	

<u>Warehouse</u> <u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
OFFSHORE		
FG	10	
32409	10	
Main Warehouse		
ST	109	
45913	49	45913
52981	60	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 11

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC
IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ MS21042L3	Replacement	Mfg/ Purchased	Bin	Primary No	Last	Route	Unit of Each	Qty on 2,665.000	Remaining 8.0000	Qty	Date	Status
Nut						120					2/13/2010	

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST	2659	
110844	35	
111274	27	
111668	52	
112314	289	
112385	498	
113523	58	
113537	700	
113644	1000	

M113537

Main Warehouse

ST139	6	
111668	6	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 12

Wednesday, February 17, 2010 11:04:44 AM

Work Order ID: 56260



Parent Item: D206-642-312



Parent Item Name: Skidtube RH

Start Date: 2/18/2010

Required Date: 3/4/2010

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004 KJ/CP/JLM/EC

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec

IPP Rev:L 08-09-29 as per DSI9421 DD verified by:

Component Item ID/ MS21043-4	Replacement	Mfg/ Purchased	Bin No	Primary Last	Route 120	Unit of Each	Qty on 541.0000	Remaining 1.0000	Qty	Date 2/14/3/10	Status
Nut											

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG 40

104603 40

Main Warehouse

ST 501

112243 2

112314 100

112492 11

113064 388

m113064

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

DART AEROSPACE USA, INC.

D206-642

Page 23 of 34

4.5 206 L/L-1/L-3/L-4/407 LOW & HIGH GEAR SKIDTUBES

Item	Qty -311	Qty -312	Qty -341	Qty -347	Qty -013	Part Number	Description
	X					D206-642-311	SKIDTUBE INSTALLATION, LH
		X				D206-642-312	SKIDTUBE INSTALLATION, RH
1	/ 1	X				D206-642-341	SKIDTUBE
			X			D206-642-347	WEARSHOE KIT (REPLACES -343)
1	1				X	D206-648-013	GROUND HANDLING KIT
1			1			D2650-5	SKIDTUBE ASSEMBLY
2A			14			D2651-1	* PLUG ⁽¹⁾
2B			14			D2651-3	* O-RING ⁽¹⁾
3			1			D2646	* AFT CAP ⁽¹⁾
4			2			MS27039-1-08	* SCREW ⁽¹⁾
5			2			AN960JD10L	* WASHER ⁽¹⁾
6	1					D2932-1	SADDLE, FWD OUT, LH
6		1				D2932-2	SADDLE, FWD OUT, RH
7	1					D2933-1	SADDLE, FWD IN, LH
7		1				D2933-2	SADDLE, FWD IN, RH
8	1					D2938-1	SADDLE, AFT OUT, LH
8		1				D2938-2	SADDLE, AFT OUT, RH
9	1					D2939-1	SADDLE, AFT IN, LH
9		1				D2939-2	SADDLE, AFT IN, RH
10	8	8				AN3-41A	BOLT
11	16	16				D2652	BUSHING
12A	8	8				MS21042-3	NUT (OR MS21042L3)
12B	8	8				AN960JD10	WASHER
13	4	4				AN5-10A (OR AN5-11A)	* BOLT ⁽²⁾
14	4	4				AN5-11A (OR AN5-12A)	* BOLT ⁽²⁾
15	8	8				AN960JD516	WASHER
16	12	12				AN4-6A	BOLT
17	24	24				AN960JD418	WASHER
18	12	12				MS21042-4	NUT (OR MS21042L4)
20A			6	6		D3537-1	WEARPAD (REPLACES D2648-3)
21A			1	1		D3537-3	WEARPAD (REPLACES D3429-1)
22A			1	1		D3535-11	WEARSHOE (REPLACES D2656-11)
22B			1	1		D3536-11	GASKET
23A			1	1		D3535-23	WEARSHOE (REPLACES D2656-23)
23B			1	1		D3536-23	GASKET
24A			1	1		D3535-35	WEARSHOE (REPLACES D2656-35)
24B			1	1		D3536-35	GASKET
26A			54	54		MS27039C1-08	SCREW
26B			54	54		AN960C10L	WASHER
26C			54			ALS7-1032-130	* INSERT ⁽¹⁾ (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
30	1	1				D3407-043	TOW RING ASSEMBLY (REPLACES D2968-043)
31	1	1				D3456-1	WASHER
32	1	1				D3457-1	WASHER
33	1	1				MS21043-4	NUT
34	1	1				AN4C5A	BOLT
35	1	1				AN960C416	WASHER
36	1	1				D3413-1	RING (REPLACES D2655)
37	10	10				D2712	SET SCREW
38	2	2				D2934	SADDLE SPACER
39	2	2				D2935	SADDLE SPACER
40				2		D3414-041	GHW LUG (REPLACES D2659)
41				4		AN3C37A	BOLT
42				8		D2652	BUSHING
43				4		MS21043-3	NUT
44				4		AN960C10	WASHER

NOTES: (1) DENOTES THAT PART IS INCLUDED WITH D2650-5 ASSEMBLY ABOVE

(2) CHOICE OF BOLT WILL DEPEND ON CROSSTUBE (SEE INSTALLATION PROCEDURE)

• COPYRIGHT © 2000 BY DART AEROSPACE USA, INC. •

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC

Revision: N
Date: 09.09.09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

4.3 206 L/L-1/L-3/L-4/407 Low Gear & 407 High Gear Skidtubes (D206-642)
 .32.12 206 L/L-1/L-3/L-4/407 Low Gear & 407 High Gear Skidtubes (ICA-D206-642)

IS:

ITEM	Qty -311	Qty -312	Qty -341	Qty -343	Qty -013	PART NUMBER	DESCRIPTION
	X					D206-642-311	SKIDTUBE INSTALLATION, LH
		X				D206-642-312	SKIDTUBE INSTALLATION, RH
1	1	X				D206-642-341	SKIDTUBE
			X			D206-642-343	WEARSHOE KIT
1	1			X		D206-648-013	GROUND HANDLING KIT
30	1	1				D3407-043	TOW RING ASSEMBLY
32A	1	1				D3456-1	WASHER
32B	2	2				D3457-1	WASHER
33	1	1				MS21043-4	NUT
34	1	1				AN4C5A	BOLT
35	1	1				AN960C416	WASHER
36	1	1				D3413-1	RING
40					2	D3414-041	LUG ASSEMBLY
41					4	AN3C37A	BOLT
42					8	D2652	BUSHING
43					4	MS21043-3	NUT
44					4	AN960C10	WASHER

WAS:

ITEM	Qty -311	Qty -312	Qty -341	Qty -343	Qty -011	PART NUMBER	DESCRIPTION
	X					D206-642-311	SKIDTUBE INSTALLATION, LH
		X				D206-642-312	SKIDTUBE INSTALLATION, RH
1	1	X				D206-642-341	SKIDTUBE
			X			D206-642-343	WEARSHOE KIT
1	1			X		D206-648-011	GROUND HANDLING KIT
30	1	1				D2707-043 (OR D2968-043)	TOW RING
31	1	1				AN960JD1016	WASHER
32	1	1				AN970-4	WASHER
33	1	1				MS21042-4	NUT (OR MS21042L4)
34	1	1				AN4-5A	BOLT
35	1	1				AN960JD416	WASHER
36	1	1				D2655	RING
40					2	D2659	GHW LUG
41					4	AN3-37A	BOLT
42					8	D2652	BUSHING
43					4	MS21042-3	NUT (OR MS21042L3)
44					4	AN960DJ10	WASHER

DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	AUS		
CHECKED	M	DRAWING NO. DSI 9421	REV. B SHEET 3 OF 5
MFG. APPR.	N/A		
APPROVED	<i>[Signature]</i>	TITLE SKIDTUBE INSTALLATIONS	SCALE NTS
DE APPR.			
DATE	08.10.07	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries